INSPEM WEEKLY SEMINAR

Date & Time

Friday , 5ᵗʰ July 2019 @ 3.15 pm

Venue

Al-Farabi Seminar Room, Second Floor, INSPEM

Presenter

Mr. Kathiresan Gopal

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Topic

Development of System of Higher Order Differential Equations Solver (sHODE)

Abstract

System of Higher Order Differential Equations Solver (sHODE) implements the 2-point block method to directly solve system of ODEs up to six equations and order six, without having to reduce the ODEs to systems of first order ODEs. The solver in the form of a web portal, was built in R using Shiny web framework. In this talk, I will share the development process and demonstrate the portal with several examples. .